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Curriculum Vitae

1. Personal

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2. Education

1984 B.S. (Biology) in Zhongshan University, Guangzhou, Canton, China
1990 Ph.D. (Biochemistry & Molecular Biology) in University of Miami School of Medicine, Miami, Florida.

3. Research and Professional Experience

1994-present Research Scientist at Amgen Inc. Thousand Oaks, California
1992-1994 Assistant Instructor in Molecular Genetics Department at University of Texas Southwestern Medical Center at Dallas, Texas (with Drs. Michael S. Brown and Joseph L. Goldstein).
1990-1992 Post-doctoral associate in the Department of Biochemistry at Purdue University (with Dr. Jack Dixon and Dr. Harry Charbonneau).
1985-1990 Predoctoral trainee in the Department of Biochemistry & Molecular Biology of University of Miami School of Medicine in Miami (with Dr. Kermit L. Caraway).

4. Honors/Awards

Outstanding Student Award, ZhongShan University, 1981-1984
CUSBEA Fellow (China-U.S. Biochemistry Examination Application, organized by Beijing University, Cornell University and Harvard University), 1984.
Damon Runyon-Walter Winchell Cancer Research Fund Postdoctoral Fellowship, 1992-1993.

mineral density at either site, although in these mice the effect of ovariectomy on bone mineral density was not statistically significant when compared to sham-operated control mice.

10. I further declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both (18 U.S.C. 1001), and may jeopardize the validity of the application or any patent issuing thereon.

Jackie Z. Sheng

10/30/02

Date

5. Publications

1. Spielman, J., Hull, S., **Sheng, Z.**, Kanterman, R., Bright, A. and Carraway, K. L. (1988) "Biosynthesis of a Tumor Cell Surface Sialomucin: Maturation and Effects of Monensin." J. Biol. Chem. 263, 9621-9629.
2. **Sheng, Z.**, Vanderpuye, O. A., Hull, S., Carraway, C. A. C. and Carraway, K. L. (1989) "Topography and Microfilament Core Association of a Cell Surface Glycoprotein of Ascites Tumor Cell Microvilli." J. Cell. Biochem. 40, 453-466.
3. Hull, S., **Sheng, Z.**, Vanderpuye, O. A., David, C. and Carraway, K. L. (1990) "Isolation and partial characterization of Ascites Sialoglycoprotein-2 (ASGP-2) of the Cell surface sialomucin Complex of 13762 Rat Mammary Adenocarcinoma Cell." Biochem. J. 265, 121-129.
4. **Sheng, Z.**, Hull, S. and Carraway, K. L. (1990) " Biosynthesis of the Cell Surface Sialomucin Complex of Ascites 13762 Rat Mammary Adenocarcinoma Cells from a High Mr. precursor" J. Biol. Chem. 265, 8505-8510.
5. **Sheng, Z.**, Wu, K., Carraway, K. L., and Fregien, N. (1992) " Molecular Cloning of the Transmembrane Component of the 13762 Mammary Adenocarcinoma Sialomucin Complex, a New Member of the Epidermal Growth Factor Superfamily" J. Biol. Chem. 267, 16341-16346.
6. **Sheng, Z.** and Charbonneau, H. (1993) "The Baculovirus *Autographa californica* Encodes a Protein Tyrosine Phosphatase." J. Biol. Chem. 268, 4728-4733.
7. Willnow, T. E., **Sheng, Z.**, Ishibashi, S. and Herz. J. (1994) "Inhibition of Chylomicron Remnant Clearance by Virus-mediated Somatic Cell Gene Transfer" Science. 264, 1471-1474
8. **Sheng, Z.**, Otani, H., Brown, M. S., and Goldstein, J. L. (1995) "Independent Regulation of Sterol Regulatory Element-Binding Proteins 1 and 2 in Hamster Liver" Proc. Natl. Acad. Sci. USA Vol. 92, 935-938
9. Lapchak, P. A., Hilt D. C., **Sheng, Z.** and Jiao, S. (1998) "Adenoviral Vector-mediated GDNF Gene Therapy in a Rodent Lesion Model of Late Stage Parkinson's Disease" Brain Res. Vol 28; 777 (1-2): 153-160
10. Takahashi, C., **Sheng, Z.**, Horan, T., Kitayama, H., Hitomi, K., Nakawaki, S., Takai, S., Ratzkin, B., Tsutomu, A., and Noda, M. (1998) " Regulation of Matrix Metalloproteinase-9 and Inhibition of Tumor Invasion by the Membrane-anchored Glycoprotein RECK" Proc. Natl. Acad. Sci. USA Vol. 95, 13221-13226

11. Yagi, M., Magal E., **Sheng, Z.**, Anga, K. A. and Raphaela, Y. (1998) " Hair Cell Protection from Aminoglycoside toxicity by Adenoviral-Mediated Overexpression of GDNF" Human Gene Therapy In Press
12. **Sheng, Z.**, Carter, C., Hsieh, A., Deng, H., Capparelli, C., Sean, M., Khoo, H., Bolon, B. and Dunston, C. (1999) " Adenovirus Mediated Osteoprotegerin (OPG) Gene Transfer and Expression in mice" Manuscript in preparation.
13. **Sheng, Z.**, Sean, M., Capparelli, C., Carter, C., Deng, H., Hsieh, A., Bolon, B., Khoo, H., Daris, M. and Dunston, C. (1999) "Long-term Gene expression of Osteoprotegerin Fc Fusion Protein Mediated by Adenovirus and Gene Therapy in a Mouse Osteoporosis Model" Manuscript in preparation.